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July 30, 2004

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**HAND DELIVERY**

**RECEIVED**

JUL 30 2004

PUBLIC SERVICE  
COMMISSION

Ms. Beth O'Donnell, Executive Director  
Public Service Commission  
211 Sower Blvd.  
P.O. Box 615  
Frankfort, KY 40602-02615

**Re: Case No. 2004-00285  
Green River Valley Water District  
(Construct, Finance, Rates: 278.023)  
Major Additions and Improvements to Water Distribution**

Dear Ms. O'Donnell:

In response to your letter of July 27 regarding certain filing deficiencies, we are enclosing as supplements to Exhibit A and B to our Application the preliminary and final engineering reports signed, sealed and dated by the Districts' registered professional engineer.

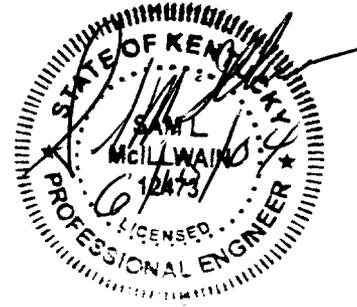
Respectfully submitted,

William W. Davis

WWD/jcm

Enclosures

cc: Mr. David Paige  
Mr. Patrick A. Ross



**SUMMARY ADDENDUM**  
**TO**  
**PRELIMINARY ENGINEERING REPORT**

DATED June 10, 2004

FOR

Green River Valley Water District - Additions and Improvements to the  
Water Treatment Plant and Water Transmission Facilities  
(Name of Project)

APPLICANT CONTACT PERSON David Paige, Manager

APPLICANT PHONE NUMBER (270) 773-2135

APPLICANT TAX IDENTIFICATION NUMBER (TIN) 61-0605759

***ITEMS IN BOLD ITALIC PRINT ARE APPLICABLE TO SEWER SYSTEMS.***

In order to avoid unnecessary delays in application processing, the applicant and its consulting engineer should prepare a summary of the preliminary engineering report in accordance with this Guide.

Please complete the applicable section of the Summary Addendum. ***Please note, if water and sewer revenue will both be taken as security for the loan, all user information and characteristics of both utility systems will be needed even though the project will benefit only one utility.***

Feasibility reviews and grant determinations may be processed more accurately and more rapidly if the Summary/Addendum is submitted simultaneously with the preliminary engineering report, or as soon thereafter as possible.

**XXXV. ESTIMATED PROJECT COST - WATER**

(Round to nearest \$100)

Development	<u>\$6,529,940</u>
Land and Rights	<u>\$0</u>
Legal & Administrative	<u>\$47,400</u>
Engineering	<u>\$444,560</u>
KRWA Administration Fees	<u>\$42,000</u>
Interest (during construction)	<u>\$100,000</u>
Contingencies	<u>\$391,060</u>
Initial Operating and Maintenance	<u>N/A</u>
Other (Inspection)	<u>\$201,040</u>
TOTAL	<u>\$7,756,000</u>

**XXXVI. PROPOSED PROJECT FUNDING**

Applicant - User Connection Fees	<u>\$0</u>
Other Applicant Contribution	<u>N/A</u>
RUS Loan	<u>\$5,000,000</u>
RUS Grant	<u>\$1,150,000</u>
ARC Grant (If applicable)	<u>N/A</u>
CDBG (If applicable)	<u>N/A</u>
Other (Kentucky Rural Water Finance Corporation)	<u>\$1,606,000</u>
Other (Specify)	<u>N/A</u>
TOTAL	<u>\$7,756,000</u>

I. General

- A. Proposed Project: Provide a brief description of the proposed project. In addition to this summary, the applicant/engineer should submit a project map of the service area.

The Project includes additions and improvements to the GRVWD water treatment plant to expand the design capacity from 4.0 MGD to 6.0 MGD. These proposed improvements will also include facilities to comply with the Enhanced Surface Water Treatment Rule and the Disinfection By-Products Rule of EPA.

The Project also includes additions to the transmission system of GRVWD. These transmission system additions are needed to maintain and improvement water service to existing and future water customers.

The location of the proposed transmission mains and the improvements to the WTP are discussed in the accompanying Preliminary Engineering Report. Also, this Report includes a map indicating the location of these additions and improvements.

II. FACILITY CHARACTERISTICS OF EXISTING SEWER SYSTEM

- A. Sewage Treatment:

1. Type N/A

2. Method of Sludge Disposal \_\_\_\_\_

3. Cost per 1,000 gallons if sewage treatment is contracted: \_\_\_\_\_

4. Date Constructed \_\_\_\_\_

B. Treatment Capacity of Sewage Treatment Plant N/A

C. Type of Sewage Collector System (Describe) N/A

D. Number and Capacity of Sewage Lift Stations N/A

E. **Sewage Collection System:**

**Lineal Feet of Collector Lines by size.**      6" \_\_\_\_\_      8" \_\_\_\_\_  
10" \_\_\_\_\_      12" \_\_\_\_\_      Larger \_\_\_\_\_

**Date(s) Constructed**      N/A

F. **Conditions of Existing System. Briefly describe the conditions and suitability for continued use of facilities now owned by the applicant. Include any major renovation that will be needed within five to ten years.**

N/A

**III. FACILITY CHARACTERISTICS OF EXISTING WATER SYSTEM**

- A. **Water Source:** Describe adequacy of source (quality and quantity). Include an explanation of raw water source, raw water intake structure, treatment plant capacity, and current level of production (WTP). Also describe the adequacy of Water Purchase Contract, if applicable.

The sources of water for the GRVWD are the Rio Verde Spring and the Green River. GRVWD is permitted to withdraw 4.0 MGD from the spring and 3.0 MGD from Green River.

The existing design capacity of the water treatment plant is 4.0 MGD. The current level of production averages about 3.0 MGD. However, existing peak water demands on the WTP have reached 3.7 MGD during periods of peak water consumption.

GRVWD has a connection with the Glasgow Water Company for the purchase of water during emergency situations.

If the applicant purchases water:

**Seller(s):**

1. Glasgow Water Company
2. \_\_\_\_\_
3. \_\_\_\_\_

**Price/1,000 gallons:**

1. \$1.40
2. \_\_\_\_\_
3. \_\_\_\_\_

**Present Estimated Market Value of Existing System**

**\$28,000,000**

B. Water Storage:

Type: Ground Storage	12	Elevated	0
Standpipe	4	Other	N/A
<hr/>			
Number of Storage Structures	16		
<hr/>			
Total Storage Volume Capacity	3,323,000 gallons		
<hr/>			
Date Storage Tank(s) Constructed	1962,1976,1977,1983,1985,1988,1993,1994,1997		

C. Water Distribution System:

Pipe Material PVC, Ductile Iron, Cast Iron and Asbestos

Lineal Feet of Pipe:

3" and smaller	1,125,000	4"	775,000
6"	610,000	8"	205,000
10"	110,000	12"	125,000

Date(s) Water Lines Constructed 1960's to present

Number and Capacity of Pump Station(s)

14  

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30 gpm to 600 gpm

D. Condition of Existing Water System

Briefly describe the condition and suitability for continued use of facility now owned by the applicant. Include any major renovation that will be needed within five to ten years.

The existing water system is in good condition.

With EPA's Disinfection By-Product Rule and Enhanced Surface Water Treatment Rule, there is a need to improve circulation of water. Primarily, this requires that dead-end lines be eliminated.

Other needs include water main extensions to serve existing population without access to a public water system.

E. Percentage of Unaccounted for Water (Loss) Existing System 2.7 %

**IV. EXISTING LONG-TERM INDEBTEDNESS**

A. List of Bonds and Notes:

<u>Date of Issue</u>	<u>Bond/Note Holder</u>	<u>Principal Balance</u>	<u>Payment Date</u>	<u>Bond Type Water/Sewer*</u>		<u>Amount on Deposit in Reserve Account</u>
19 96-A Issue	USDA - RD	\$991,000	April 1	100.0%	0%	
19 96-B Issue	USDA - RD	\$613,000	April 1	100.0%	0%	
19 96-C Issue	USDA - RD	\$238,000	April 1	100.0%	0%	
20 03C Issue	KRWA	\$2,166,200	January 1	100.0%	0%	
20 04B Issue	KRWA	\$3,567,000	January 1	100.0%	0%	

\* If a combined issue, show attributable portion to each system. (NO SEWER INVOLVED)

B. Principal and Interest Payments: (Begin with Next Fiscal Year Payment)

<u>Date of Issue</u>	<u>Bond/Note Holder</u>	<u>Payment Year 2005</u>		<u>Payment Year 2006</u>		<u>Payment Year 2007</u>	
		<u>Principal Payment</u>	<u>Interest Payment</u>	<u>Principal Payment</u>	<u>Interest Payment</u>	<u>Principal Payment</u>	<u>Interest Payment</u>
19 96-A	USDA - RD	\$15,000	\$43,335	\$15,000	\$42,660	\$16,000	\$41,985
19 96-B	USDA - RD	\$9,000	\$26,798	\$95,000	\$26,393	\$10,000	\$25,965
19 96-C	USDA - RD	\$3,500	\$10,418	\$3,500	\$10,260	\$3,500	\$10,103
20 03C Issue	KRWA	\$107,400	\$75,692	\$110,500	\$73,310	\$112,800	\$70,590
20 04B Issue	KRWA	\$183,000	\$128,142	\$182,000	\$123,872	\$183,000	\$119,487

**V. EXISTING SHORT-TERM INDEBTEDNESS**

A. List of All Short Term Debts: (Do Not Show Any Debt Listed in Paragraph IV Above)

<u>Lender or Lessor</u>	<u>Date of Issue (Mon. &amp; Yr)</u>	<u>Principal Balance</u>	<u>Purpose (Water and/ or Sewer)</u>	<u>Payment Date</u>	<u>Principal &amp; Interest Payment (P&amp;I)</u>	<u>Date to Be Paid In Full</u>
N/A	N/A	N/A	N/A	N/A	N/A	N/A

**VI. LAND AND RIGHTS - EXISTING SYSTEM(S)**

Number of Treatment Plant Sites:	Water	1	<i>Sewer</i>	<i>N/A</i>
Number of Storage Tank Sites	Water	16	<i>Sewer</i>	<i>N/A</i>
Number of Pump Station Sites:	Water	14	<i>Sewer</i>	<i>N/A</i>
Total Acreage:	Water	45.6	<i>Sewer</i>	<i>N/A</i>
Purchase Price:	Water		<i>Sewer</i>	<i>N/A</i>

**VII. NUMBER OF EXISTING USERS**

Residential (In Town) *	<u>Water</u>	<i>N/A</i>	<u>Sewer</u>	<i>N/A</i>
Residential (Out of Town) *		5,901		<i>N/A</i>
Non-Residential (In Town)		<i>N/A</i>		<i>N/A</i>
Non-Residential (Out of Town)		327		<i>N/A</i>
Total		6,228		<i>N/A</i>
Number of Total Potential Users Living in the Service Area		7,728		<i>N/A</i>

\* Note: Residential Users Classify by type of user regardless of quantity of water used. This classification should include those meters serving individual rural residences.

VIII. CURRENT WATER AND SEWER CONNECTION FEES FOR EACH SIZE WATER METER CONNECTION

	<u>Water Connection Fee</u>	<u>Sewer Connection Fee</u>
Meter Size 5/8" X 3/4"	\$490.30	N/A
1-inch	\$597.60	N/A
1-1/2 inch & Larger	Actual Cost	N/A

IX. SEWER RATES - EXISTING SYSTEM

<i>Percentage of water bill</i>	<u>N/A</u>	<i>Minimum Charge</i>	<u>N/A</u>
<i>Other: (If Charge Not Based on Water Bill)</i>			<u>N/A</u>
<i>Date This Rate Went Into Effect</i>			<u>N/A</u>

X. WATER RATES - EXISTING SYSTEM

**Existing Rate Schedule:**

**5/8" X 3/4" Meter**

First	<u>2,000</u>	Gallons @	<u>\$10.70</u>	Minimum
Next	<u>8,000</u>	Gallons @	<u>\$2.70</u>	Per 1,000 Gallons
Next	<u>10,000</u>	Gallons @	<u>\$2.25</u>	Per 1,000 Gallons
Next	<u>30,000</u>	Gallons @	<u>\$1.95</u>	Per 1,000 Gallons
Next	<u>50,000</u>	Gallons @	<u>\$1.75</u>	Per 1,000 Gallons
All Over	<u>100,000</u>	Gallons @	<u>\$1.70</u>	Per 1,000 Gallons

Date This Rate Went Into Effect December 20, 1995

If More Than One Rate Schedule, Please Include All Schedules. (see page 7a)

**X. WATER RATES - EXISTING SYSTEM (continued)**

**1" Meter**

First	<u>5,000</u>	Gallons @	<u>\$18.00</u>	Minimum
Next	<u>5,000</u>	Gallons @	<u>\$2.70</u>	Per 1,000 Gallons
Next	<u>10,000</u>	Gallons @	<u>\$2.25</u>	Per 1,000 Gallons
Next	<u>30,000</u>	Gallons @	<u>\$1.95</u>	Per 1,000 Gallons
Next	<u>50,000</u>	Gallons @	<u>\$1.75</u>	Per 1,000 Gallons
All Over	<u>100,000</u>	Gallons @	<u>\$1.70</u>	Per 1,000 Gallons

**1-1/2" Meter**

First	<u>10,000</u>	Gallons @	<u>\$32.00</u>	Minimum
Next	<u>10,000</u>	Gallons @	<u>\$2.25</u>	Per 1,000 Gallons
Next	<u>30,000</u>	Gallons @	<u>\$1.95</u>	Per 1,000 Gallons
Next	<u>50,000</u>	Gallons @	<u>\$1.75</u>	Per 1,000 Gallons
All Over	<u>100,000</u>	Gallons @	<u>\$1.70</u>	Per 1,000 Gallons

**2" Meter**

First	<u>16,000</u>	Gallons @	<u>\$48.00</u>	Minimum
Next	<u>4,000</u>	Gallons @	<u>\$2.25</u>	Per 1,000 Gallons
Next	<u>30,000</u>	Gallons @	<u>\$1.95</u>	Per 1,000 Gallons
Next	<u>50,000</u>	Gallons @	<u>\$1.75</u>	Per 1,000 Gallons
All Over	<u>100,000</u>	Gallons @	<u>\$1.70</u>	Per 1,000 Gallons

**Wholesale Rate** \$1.18 Per 1,000 Gallons

Maintenance and billing charge per customer  
for cities of Horse Cave and Cave City \$3.70 Per Month



**XII. ANALYSIS OF ACTUAL WATER USAGE - EXISTING SYSTEM - 12 MONTH PERIOD**

For Period January 2003 to December 2003

All Meter

All Meter Sizes	Monthly Water Usage		Average	Residential		Non-Residential	
				No. of Users	Usage (1000)	No. of Users	Usage (1000)
0 - 2,000	Gallons	532	1,560	830.1	169	90	
2,000 - 3,000	Gallons	2,582	910	2,349.7	19	49	
3,000 - 4,000	Gallons	3,529	815	2,876.4	20	71	
4,000 - 5,000	Gallons	4,531	660	2,990.5	17	77	
5,000 - 6,000	Gallons	5,521	501	2,766.7	12	66	
6,000 - 7,000	Gallons	6,576	354	2,324.6	9	59	
7,000 - 8,000	Gallons	7,493	260	1,950.1	6	45	
8,000 - 9,000	Gallons	8,568	182	1,559.4	6	51	
9,000 - 10,000	Gallons	9,591	150	1,438.7	10	96	
10,000 - 11,000	Gallons	10,577	87	922.0	4	42	
11,000 - 12,000	Gallons	11,500	72	824.2	4	46	
12,000 - 13,000	Gallons	12,535	60	752.1	3	38	
13,000 - 14,000	Gallons	13,593	42	573.2	2	27	
14,000 - 15,000	Gallons	14,612	35	517.5	2	29	
15,000 - 16,000	Gallons	15,644	29	447.2	1	16	
16,000 - 17,000	Gallons	16,478	22	368.0	2	33	
17,000 - 18,000	Gallons	17,492	25	437.3	1	17	
18,000 - 19,000	Gallons	18,507	15	276.1	1	19	
19,000 - 20,000	Gallons	19,492	12	242.0	1	19	
20,000 - 21,000	Gallons	20,500	12	254.5	3	62	
21,000 - 30,000	Gallons	25,640	44	1,128.2	8	205	
30,000 - 40,000	Gallons	33,877	12	406.5	5	169	
40,000 - 50,000	Gallons	44,249	10	442.5	3	133	
50,000 - 60,000	Gallons	54,743	10	547.4	3	164	
60,000 - 70,000	Gallons	65,696	7	459.9	2	131	
70,000 - 80,000	Gallons	74,631	1	74.6	3	224	
80,000 - 100,000	Gallons	89,048	1	89.0	3	267	
100,000 - 200,000	Gallons	137,383	2	274.8	4	550	
200,000 - 300,000	Gallons	236,524	1	236.5	2	473	
300,000 - 600,000	Gallons	379,927	7	2,659.5	1	380	
600,000 - 1,000,000	Gallons	714,817	1	714.8	0	0	
1,000,000 - 2,000,000	Gallons	1,190,000	1	1,190.0	1	1,190	
Total			( 5,901 )	( 32,924.0 )	( 327 )	( 4,838.7 )	
Average Monthly Usage				( 5.6 )		( 14.8 )	

Water Sold - GRVWD Customers	453,152
Water Sold - Horse Cave	98,424
Water Sold - Cave City	97,452
Water Sold - Munfordville/Bonnieville	102,504
Water Sold - Larue County Water District No. 1	76,416
Water Sold - Green-Taylor Water District	47,952
Water Sold - Mammoth Cave Nat'l Park	40,920
Total Estimated Annual Water Sold for 2003 (1,000 Gals)	916,820

**XIII. FACILITY CHARACTERISTICS OF PROPOSED SEWER SYSTEM**

**A. Sewage Treatment:**

1. Type     N/A    

2. Method of Sludge Disposal                     N/A                    

3. Cost per 1,000 gallons if sewage treatment is contracted:

B. Treatment Capacity of Sewage Treatment Plant                                     N/A                                    

C. Type of Sewage Collector System (Describe)                                     N/A                                    

D. Number and Capacity of Sewage Lift Stations                                     N/A                                    

**E. Sewage Collection System:**

Lineal Feet of Collector Lines by size:	6"	<u>    N/A    </u>	8"	<u>    N/A    </u>
	10"	<u>    N/A    </u>	12"	<u>    N/A    </u>
			Larger	<u>    N/A    </u>

**XIV. LAND AND RIGHTS - PROPOSED SEWER SYSTEM**

Number of Treatment Plants Sites                                     N/A                                    

Number of Pump Sites                                     N/A                                    

Number of Other Sites                                     N/A                                    

Total Acreage                                     N/A                                    

Purchase Price                                     N/A

**XV. FACILITY CHARACTERISTICS OF PROPOSED WATER SYSTEM**

A. Water Source: Describe adequacy of source (quality and quantity). Include an explanation of raw water source, raw water intake structure, treatment plant capacity, and current level of production (WTP). Also describe the adequacy of Water Purchase Contract, if applicable.

The sources of water for the GRVWD's water treatment plant are the Rio Verde Spring and the Green River, both of which are excellent and dependable sources of water. GRVWS is permitted to withdraw 4.0 MGD from the Rio Verde Spring and 3.0 MGD from the Green River.

The existing design capacity of the GRVWD's WTP is 4.0 MGD. The current level of production average about 3.0 MGD. However, during periods of peak water demands, the demand on the GRVWD's WTP approaches the 4.0 MGD, the design capacity of the WTP.

The proposed additions will expand the WTP capacity to 6.0 MGD.

B. Water Storage:

Type:	Ground Storage Tank	0	Elevated Tank	0
	Standpipe	0	Other	0
Number of Storage Structures	0			
Total Storage Volume Capacity	0			

C. Water Transmission / Distribution System:

Pipe Material	<u>Ductile Iron / PVC</u>			
Lineal Feet of Pipe:	6"	0	8"	0
	10"	52,000	12"	0
	16"	25,000		
Number and Capacity of Pump Station(s)	0			

**XVI. LAND AND RIGHTS - PROPOSED WATER SYSTEM**

Number of Treatment Plants Sites	0 (Existing WTP Site)
Number of Pump Sites	0
Number of Other Sites	0
Total Acreage	0
Purchase Price	0

**XVII. NUMBER OF NEW SEWER USERS**

<i>Residential (In Town) *</i>	<u>N/A</u>
<i>Residential (Out of Town) *</i>	<u>N/A</u>
<i>Non-Residential (In Town)</i>	<u>N/A</u>
<i>Non-Residential (Out of Town)</i>	<u>N/A</u>
<i>Total</i>	<u>N/A</u>
<i>Number of Total Potential Users Living in the Service Area</i>	<u>N/A</u>

**\*NOTE:** Residential Users: *Classify by type of user regardless of quantity of water used. This classification should include those meters serving individual meters serving individual rural residences.*

**XVIII PROPOSED SEWER CONNECTION FEES FOR EACH SIZE WATER METER CONNECTION**

<u>Meter Size</u>	<u>Connection Fee</u>
<u>5/8" x 3/4"</u>	<u>N/A</u>
<u>1-Inch</u>	<u>N/A</u>
<u>1-1/2 Inch</u>	<u>N/A</u>
<u>2-Inch</u>	<u>N/A</u>
<u>3-Inch</u>	<u>N/A</u>
<u>4-Inch</u>	<u>N/A</u>
<u>5-Inch</u>	<u>N/A</u>
<u>6-Inch</u>	<u>N/A</u>

**XIX. NUMBER OF NEW WATER USERS**

Residential (In Town) *	<u>772</u>
Residential (Out of Town)*	<u>N/A</u>
Non-Residential (In Town)	<u>0</u>
Non-Residential (Out of Town)	<u>N/A</u>
Total	<u>772</u>
Number of Total Potential Users Living in the Service Area	<u>1500</u>

\*NOTE: Residential Users: Classify by type of user regardless of quantity of water used. This classification should include those meters serving individual rural residences.

**XX. PROPOSED WATER CONNECTION FEES FOR EACH SIZE WATER METER CONNECTION**

<u>Meter Size</u>	<u>Connection Fee</u>
<u>5/8" x 3/4"</u>	<u>No change</u>
<u>1-Inch</u>	<u>No change</u>
<u>1-1/2 Inch and larger</u>	<u>No change</u>

**XXI. SEWER RATES - PROPOSED**

**A. Proposed Rate Schedule without RUS Grant:**

Percentage of Water Bill \_\_\_\_\_ *N/A* Minimum Charge \_\_\_\_\_

Other: (If Charge Not Based on Water Bill) \_\_\_\_\_

*Proposed Rate Schedule: (Without RUS Grant)*

<i>First</i>	_____ Gallons @	<i>N/A</i>	<i>Minimum</i>
<i>Next</i>	_____ Gallons @	<i>N/A</i>	<i>Per 1,000 Gallons</i>
<i>Next</i>	_____ Gallons @	<i>N/A</i>	<i>Per 1,000 Gallons</i>
<i>Next</i>	_____ Gallons @	<i>N/A</i>	<i>Per 1,000 Gallons</i>
<i>Next</i>	_____ Gallons @	<i>N/A</i>	<i>Per 1,000 Gallons</i>
<i>Next</i>	_____ Gallons @	<i>N/A</i>	<i>Per 1,000 Gallons</i>
<i>All Over</i>	_____ Gallons @	<i>N/A</i>	<i>Per 1,000 Gallons</i>

*The above proposed rate, without RUS grant, must be completed for each grant. If the applicant/engineer desires, there is no objection to recommending a proposed rate with an estimated RUS grant in the Table below. However, the preparer should remember that the Table (A) above must be completed prior to Table (B).*

**B. Recommended Rate Schedule with RUS Grant:**

Percentage of Water Bill \_\_\_\_\_ *N/A* Minimum Charge \_\_\_\_\_

Other: (If Charge Not Based on Water Bill) \_\_\_\_\_

*Recommended Rate Schedule: (With RUS Grant)*

<i>First</i>	_____ Gallons @	<i>N/A</i>	<i>Minimum</i>
<i>Next</i>	_____ Gallons @	<i>N/A</i>	<i>Per 1,000 Gallons</i>
<i>Next</i>	_____ Gallons @	<i>N/A</i>	<i>Per 1,000 Gallons</i>
<i>Next</i>	_____ Gallons @	<i>N/A</i>	<i>Per 1,000 Gallons</i>
<i>Next</i>	_____ Gallons @	<i>N/A</i>	<i>Per 1,000 Gallons</i>
<i>Next</i>	_____ Gallons @	<i>N/A</i>	<i>Per 1,000 Gallons</i>
<i>All Over</i>	_____ Gallons @	<i>N/A</i>	<i>Per 1,000 Gallons</i>

*If more than one rate, use additional sheets.*

**XXII. WATER RATES - PROPOSED**

**A. Proposed Rate Schedule without RUS Grant:**

First	N/A	Gallons @		Minimum
Next	N/A	Gallons @		Per 1,000 Gallons
Next	N/A	Gallons @		Per 1,000 Gallons
Next	N/A	Gallons @		Per 1,000 Gallons
Next	N/A	Gallons @		Per 1,000 Gallons
Next	N/A	Gallons @		Per 1,000 Gallons
All Over	N/A	Gallons @		Per 1,000 Gallons

The above proposed rate, without RUS grant, must be completed for each grant. If the applicant/engineer desires, there is no objection to recommending a proposed rate with an estimated RUS grant in the Table below. However, the preparer should remember that the Table (A) above must be completed prior to Table (B).

**B. Proposed Rate Schedule with RUS Grant:**

**5/8" X 3/4" Meter**

First	2,000	Gallons @	\$14.34	Minimum
Next	8,000	Gallons @	\$3.62	Per 1,000 Gallons
Next	10,000	Gallons @	\$3.02	Per 1,000 Gallons
Next	30,000	Gallons @	\$2.61	Per 1,000 Gallons
Next	50,000	Gallons @	\$2.35	Per 1,000 Gallons
All C	100,000	Gallons @	\$2.28	Per 1,000 Gallons

**1" Meter**

First	5,000	Gallons @	\$24.12	Minimum
Next	5,000	Gallons @	\$3.62	Per 1,000 Gallons
Next	10,000	Gallons @	\$3.02	Per 1,000 Gallons
Next	30,000	Gallons @	\$2.61	Per 1,000 Gallons
Next	50,000	Gallons @	\$2.35	Per 1,000 Gallons
All C	100,000	Gallons @	\$2.28	Per 1,000 Gallons

**1-1/2" Meter**

First	10,000	Gallons @	\$42.88	Minimum
Next	10,000	Gallons @	\$3.02	Per 1,000 Gallons
Next	30,000	Gallons @	\$2.61	Per 1,000 Gallons
Next	50,000	Gallons @	\$2.35	Per 1,000 Gallons
All C	100,000	Gallons @	\$2.28	Per 1,000 Gallons

**2" Meter**

First	16,000	Gallons @	\$64.32	Minimum
Next	4,000	Gallons @	\$3.02	Per 1,000 Gallons
Next	30,000	Gallons @	\$2.61	Per 1,000 Gallons
Next	50,000	Gallons @	\$2.35	Per 1,000 Gallons
All C	100,000	Gallons @	\$2.28	Per 1,000 Gallons

**Wholesale Rate** \$1.581 Per 1,000 Gallons

Maintenance and billing charge per customer for cities of Horse Cave and Cave City \$3.70 Per Month

**XXIII. FORECAST OF SEWER USAGE - INCOME - EXISTING SYSTEM - EXISTING USERS**

<u>Meter Size*</u>	<u>Monthly Sewer Usage</u>	<u>Average</u>	<u>Average Rate</u>	<u>No. of Users**</u>	<u>Residential Usage (1000)</u>	<u>Income</u>	<u>No. of Users</u>	<u>Non-Residential Usage (1000)</u>	<u>Income</u>
	0 - 2,000 Gallons	1,000	N/A						
	2,000 - 3,000 Gallons	2,500	N/A						
	3,000 - 4,000 Gallons	3,500	N/A						
	4,000 - 5,000 Gallons	4,500	N/A						
	5,000 - 6,000 Gallons	5,500	N/A						
	6,000 - 7,000 Gallons	6,500	N/A						
	7,000 - 8,000 Gallons	7,500	N/A						
	8,000 - 9,000 Gallons	8,500	N/A						
	9,000 - 10,000 Gallons	9,500	N/A						
5/8	10,000 - 11,000 Gallons	10,500	N/A						
x	11,000 - 12,000 Gallons	11,500	N/A						
3/4	12,000 - 13,000 Gallons	12,500	N/A						
Inch	13,000 - 14,000 Gallons	13,500	N/A						
	14,000 - 15,000 Gallons	14,500	N/A						
	15,000 - 16,000 Gallons	15,500	N/A						
	16,000 - 17,000 Gallons	16,500	N/A						
	17,000 - 18,000 Gallons	17,500	N/A						
	18,000 - 19,000 Gallons	18,500	N/A						
	19,000 - 20,000 Gallons	19,500	N/A						
	- Gallons								
	- Gallons								
	- Gallons								
	<b>Sub-Total</b>			( )	( )	( )	( )	( )	( )
	<b>Average Monthly Rate</b>		( )						
	<b>Average Monthly Usage</b>			( )			( )		

\* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

\*\* Number of users should reflect the actual number of "meter settings".

1- Inch	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
		<b>Sub-Total</b>		( )	( )	( )	( )	( )	( )
1-1/2 Inch	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
		<b>Sub-Total</b>		( )	( )	( )	( )	( )	( )
2- Inch	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
		<b>Sub-Total</b>		( )	( )	( )	( )	( )	( )
3- Inch	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
		<b>Sub-Total</b>		( )	( )	( )	( )	( )	( )
4- Inch	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
	-	Gallons	N/A						
		<b>Sub-Total</b>		( )	( )	( )	( )	( )	( )

\* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

\*\* Number of users should reflect the actual number of "meter settings".

	-		Gallons		N/A						
	-		Gallons		N/A						
5-Inch	-		Gallons		N/A						
	-		Gallons		N/A						
	-		Gallons		N/A						
	-		Gallons		N/A						
	-		Gallons		N/A						
			<u>Sub-Total</u>			( )	( )	( )	( )	( )	( )
	-		Gallons		N/A						
	-		Gallons		N/A						
6-Inch	-		Gallons		N/A						
	-		Gallons		N/A						
	-		Gallons		N/A						
	-		Gallons		N/A						
	-		Gallons		N/A						
			<u>Sub-Total</u>			( )	( )	( )	( )	( )	( )
			<b>TOTALS</b>			( 0 )	( 0 )	( \$0 )	( 0 )	( 0 )	( \$0 )

**MULTI-FAMILY AND APARTMENT USER ANALYSIS**

*If billed as a typical user, the information should be included in the residential information above.  
If not billed as a typical residential user, please explain below.*

<u>Name of Unit</u>	<u>Number of Units</u>	<u>Number of Meters</u>	<u>Revenue Calculations</u>
N/A	N/A	N/A	N/A

\* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

\*\* Number of users should reflect the actual number of "meter settings".

**XXIV. FORECAST OF SEWER USAGE - INCOME - NEW USERS - EXTENSION ONLY**

<u>Meter Size*</u>	<u>Monthly Sewer Usage</u>		<u>Average</u>	<u>Average</u>			<u>Residential</u>		<u>Non-Residential</u>	
				<u>Rate</u>	<u>No. of Users**</u>	<u>Usage (1000)</u>	<u>Income</u>	<u>No. of Users</u>	<u>Usage (1000)</u>	<u>Income</u>
	0 - 2,000	Gallons	1,000		N/A	N/A	N/A	N/A	N/A	N/A
	2,000 - 3,000	Gallons	2,500							
	3,000 - 4,000	Gallons	3,500							
	4,000 - 5,000	Gallons	4,500							
	5,000 - 6,000	Gallons	5,500							
	6,000 - 7,000	Gallons	6,500							
	7,000 - 8,000	Gallons	7,500							
	8,000 - 9,000	Gallons	8,500							
	9,000 - 10,000	Gallons	9,500							
5/8	10,000 - 11,000	Gallons	10,500							
x	11,000 - 12,000	Gallons	11,500							
3/4	12,000 - 13,000	Gallons	12,500							
Inch	13,000 - 14,000	Gallons	13,500							
	14,000 - 15,000	Gallons	14,500							
	15,000 - 16,000	Gallons	15,500							
	16,000 - 17,000	Gallons	16,500							
	17,000 - 18,000	Gallons	17,500							
	18,000 - 19,000	Gallons	18,500							
	19,000 - 20,000	Gallons	19,500							
	-	Gallons								
	-	Gallons								
	-	Gallons								
			<b>Sub-Total</b>	( )	( )	( )	( )	( )	( )	( )
			<b>Average Monthly Rate</b>	( )						
			<b>Average Monthly Usage</b>		( )			( )		

\* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

\*\* Number of users should reflect the actual number of "meter settings".

1- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		<i>Sub-Total</i>	( )	( )	( )	( )	( )	( )	
1-1/2 Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		<i>Sub-Total</i>	( )	( )	( )	( )	( )	( )	
2- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		<i>Sub-Total</i>	( )	( )	( )	( )	( )	( )	
3- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		<i>Sub-Total</i>	( )	( )	( )	( )	( )	( )	
4- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		<i>Sub-Total</i>	( )	( )	( )	( )	( )	( )	

\* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.

\*\* Number of users should reflect the actual number of "meter settings".

5- Inch	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
		<b>Sub-Total</b>	( _____ )	( _____ )	( _____ )	( _____ )	( _____ )	( _____ )	( _____ )
6- Inch	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____	_____
		<b>Sub-Total</b>	( _____ )	( _____ )	( _____ )	( _____ )	( _____ )	( _____ )	( _____ )
		<b>TOTALS</b>	( <u>N/A</u> )						

**MULTI-FAMILY AND APARTMENT USER ANALYSIS**

*If billed as a typical user, the information should be included in the residential information above. If not billed as a typical residential user, please explain below.*

<u>Name of Unit</u>	<u>Number of Units</u>	<u>Number of Meters</u>	<u>Revenue Calculations</u>
N/A	N/A	N/A	N/A
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

- \* Breakdown of meter size usage is not required unless different sewer rates are charged based on size of water meter.
- \*\* Number of users should reflect the actual number of "meter settings".

XV. FORECAST OF WATER USAGE - INCOME - EXISTING SYSTEM - EXISTING USERS

Meter Size*	Monthly Water Usage			Average	Average	Residential			Non-Residential		
				Average	Rate	No. of Users**	Usage (1000)	Income	No. of Users	Usage (1000)	Income
	0 -	2,000	Gallons	532	\$14.34	1,560	830	\$22,367	169	90	\$2,423
	2,000 -	3,000	Gallons	2,582	\$16.44	910	2,350	\$14,964	19	49	\$312
	3,000 -	4,000	Gallons	3,529	\$19.87	816	2,880	\$16,214	20	71	\$397
	4,000 -	5,000	Gallons	4,531	\$23.50	660	2,990	\$15,507	17	77	\$399
	5,000 -	6,000	Gallons	5,521	\$27.08	501	2,766	\$13,566	12	66	\$325
	6,000 -	7,000	Gallons	6,576	\$30.89	354	2,328	\$10,936	9	59	\$278
	7,000 -	8,000	Gallons	7,493	\$34.21	260	1,948	\$8,895	6	45	\$205
	8,000 -	9,000	Gallons	8,568	\$38.10	182	1,559	\$6,934	6	51	\$229
	9,000 -	10,000	Gallons	9,591	\$41.80	150	1,439	\$6,270	10	96	\$418
5/8	10,000 -	11,000	Gallons	10,577	\$45.02	87	920	\$3,917	4	42	\$180
x	11,000 -	12,000	Gallons	11,500	\$47.80	72	828	\$3,442	4	46	\$191
3/4	12,000 -	13,000	Gallons	12,535	\$50.93	60	752	\$3,056	3	38	\$153
Inch	13,000 -	14,000	Gallons	13,593	\$54.11	42	571	\$2,273	2	27	\$108
	14,000 -	15,000	Gallons	14,612	\$57.19	35	511	\$2,002	2	29	\$114
	15,000 -	16,000	Gallons	15,344	\$59.39	29	445	\$1,722	1	15	\$59
	16,000 -	17,000	Gallons	16,478	\$62.81	22	363	\$1,382	2	33	\$126
	17,000 -	18,000	Gallons	17,492	\$65.87	25	437	\$1,647	1	17	\$66
	18,000 -	19,000	Gallons	18,507	\$68.93	15	278	\$1,034	1	19	\$69
	19,000 -	20,000	Gallons	19,492	\$71.90	12	234	\$863	1	19	\$72
	20,000 -	21,000	Gallons	20,500	\$74.94	12	246	\$899	3	62	\$225
			Sub-Total			( 5,804 )	( 24,675 )	( \$137,889 )	( 292 )	( 952 )	( \$6,350 )
			Average Monthly Rate		( \$23.76 )						
			Average Monthly Usage			( 4.251 )			( 6.671 )		

\* Breakdown of meter size usage is not required unless different water rates are charged based on size of water meter.

\*\* Number of users should reflect the actual number of "meter settings".

1-Inch	21,000 - 30,000	Gallons	25,640	\$87.10	24	615	\$2,090	4	103	\$8,361
	30,000 - 40,000	Gallons	33,877	\$108.62	6	203	\$652	3	102	\$1,955
	Sub-Total				( 30 )	( 819 )	( \$2,742 )	( 7 )	( 204 )	( \$10,317 )
1-1/2-Inch	21,000 - 30,000	Gallons	25,640	\$87.77	20	513	\$1,755	4	103	\$351
	30,000 - 40,000	Gallons	33,877	\$109.29	6	203	\$656	2	68	\$219
	Sub-Total				( 26 )	( 716 )	( \$2,411 )	( 6 )	( 0 )	( \$570 )
2- Inch	40,000 - 50,000	Gallons	44,249	\$139.74	10	442	\$1,397	3	133	\$419
	50,000 - 60,000	Gallons	54,743	\$165.89	10	547	\$1,659	3	164	\$498
	60,000 - 70,000	Gallons	65,696	\$191.58	7	460	\$1,341	2	131	\$383
	70,000 - 80,000	Gallons	74,631	\$212.53	1	75	\$213	3	224	\$638
	80,000 - 100,000	Gallons	89,048	\$246.34	1	89	\$246	3	267	\$739
	100,000 - 200,000	Gallons	137,383	\$357.18	2	275	\$714	4	550	\$1,429
	200,000 - 300,000	Gallons	236,524	\$583.02	1	237	\$583	2	473	\$1,166
	300,000 - 600,000	Gallons	379,927	\$909.69	7	2,659	\$6,368	1	380	\$910
	600,000 - 1,000,000	Gallons	714,817	\$1,672.57	1	715	\$1,673	0	0	\$0
1,000,000 - 2,000,000	Gallons	1,190,000	\$2,755.04	1	1,190	\$2,755	1	1,190	\$2,755	
Sub-Total				( 41 )	( 6,689 )	( \$16,949 )	( 22 )	( 3,512 )	( \$8,936 )	
3-Inch	-	Gallons								
	-	Gallons								
	-	Gallons								
	-	Gallons								
	-	Gallons								
	-	Gallons								
Sub-Total				( )	( )	( )	( )	( )	( )	
4-Inch	-	Gallons								
	-	Gallons								
	-	Gallons								
	-	Gallons								
	-	Gallons								
	-	Gallons								
Sub-Total				( )	( )	( )	( )	( )	( )	

\* Breakdown of meter size usage is not required unless different water rates are charged based on size of water meter.

\*\* Number of users should reflect the actual number of "meter settings".

TOTALS ( 5,901 ) ( 32,898 ) ( \$159,992 ) 327 ( 4,668 ) ( \$26,173 )

MULTI-FAMILY AND APARTMENT USER ANALYSIS

If billed as a typical user, the information should be included in the residential information above.  
 If not billed as a typical residential user, please explain below.

<u>Name of Unit</u>	<u>Number of Units</u>	<u>Number of Meters</u>	<u>Revenue Calculations</u>
N/A	N/A	N/A	N/A

\* Breakdown of meter size usage is not required unless different water rates are charged based on size of water meter.

\*\* Number of users should reflect the actual number of "meter settings".

WHOLESALE USERS ANALYSIS

<u>Name of Wholesale User</u>	<u>Average Monthly Usage</u> (1,000 gals)	<u>Number of Customers</u>	<u>Monthly Revenue Calculations</u>		
			<u>Wholesale Charge</u>	<u>Maint. &amp; Billing Charge</u>	<u>Total</u>
Horse Cave	8,577	939	\$13,562	\$3,474	\$17,036
Cave City	8,492	1,063	\$13,428	\$3,933	\$17,361
Munfordville / Bonnieville	8,671	N/A	\$13,710	N/A	\$13,710
Larue County Water District No. 1	6,464	N/A	\$10,221	N/A	\$10,221
Green - Taylor Water District	4,056	N/A	\$6,414	N/A	\$6,414
				<b>Total</b>	<b>\$64,742</b>

Summary of Average Monthly Water Usage and Incomes

GRVWD

Residential Users	32,898	\$159,992
Non-residential Users	<u>4,668</u>	<u>\$26,173</u>
Subtotal	37,566	\$186,164

Wholesale Users

Horse Cave	8,577	\$17,036
Cave City	8,492	\$17,361
Munfordville / Bonnieville	8,671	\$13,710
Larue County Water District No. 1	6,464	\$10,221
Green - Taylor Water District	4,056	\$6,414
<b>Total</b>	<b>73,827</b>	<b>\$250,906</b>

Estimated Annual Revenues \$3,010,876

**XXVI. FORECAST OF WATER USAGE - INCOME - NEW USERS - EXTENSION ONLY**

Meter Size*	Monthly Water Usage			Average Rate	Residential			Non-Residential		
			Average		No. of Users**	Usage (1000)	Income	No. of Users	Usage (1000)	Income
	0 - 2,000	Gallons	1,000							
	2,000 - 3,000	Gallons	2,500							
	3,000 - 4,000	Gallons	3,500							
	4,000 - 5,000	Gallons	4,500							
	5,000 - 6,000	Gallons	5,500							
	6,000 - 7,000	Gallons	6,500							
	7,000 - 8,000	Gallons	7,500							
	8,000 - 9,000	Gallons	8,500							
	9,000 - 10,000	Gallons	9,500							
5/8	10,000 - 11,000	Gallons	10,500							
x	11,000 - 12,000	Gallons	11,500							
3/4	12,000 - 13,000	Gallons	12,500							
Inch	13,000 - 14,000	Gallons	13,500							
	14,000 - 15,000	Gallons	14,500							
	15,000 - 16,000	Gallons	15,500							
	16,000 - 17,000	Gallons	16,500							
	17,000 - 18,000	Gallons	17,500							
	18,000 - 19,000	Gallons	18,500							
	19,000 - 20,000	Gallons	19,500							
	20,000 - 25,000	Gallons	22,500							
	25,000 - 30,000	Gallons	27,500							
	30,000 - 35,000	Gallons	32,500							
	35,000 - 40,000	Gallons	37,500							
	40,000 - 45,000	Gallons	42,500							
	45,000 - 50,000	Gallons	47,500							
	50,000 - 60,000	Gallons	55,000							
	60,000 - 70,000	Gallons	65,000							
	70,000 - 80,000	Gallons	75,000							
	80,000 - 90,000	Gallons	85,000							
	90,000 - 100,000	Gallons	95,000							
	100,000 +	Gallons	100,000							
			Sub-Total	( 0 )	( 0 )	( \$0 )	( 0 )	( 0 )	( \$0 )	
			Average Monthly Rate	( )						
			Average Monthly Usage		( ERR )			( 0.00 )		

\* Breakdown of meter size usage is not required unless different water rates are charged based on size of water meter.

\*\* Number of users should reflect the actual number of "meter settings".

1 Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total	( )	( )	( )	( )	( )	( )	( )
1-1/2 Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total	( )	( )	( )	( )	( )	( )	( )
2- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total	( )	( )	( )	( )	( )	( )	( )
3- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total	( )	( )	( )	( )	( )	( )	( )
4- Inch	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
	-	Gallons							
		Sub-Total	( )	( )	( )	( )	( )	( )	( )

\* Breakdown of meter size usage is not required unless different water rates are charged based on size of water meter.

\*\* Number of users should reflect the actual number of "meter settings".

	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
5-	-	Gallons	_____	_____	_____	_____	_____	_____
Inch	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
		Sub-Total		( _____ )	( _____ )	( _____ )	( _____ )	( _____ )
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
6-	-	Gallons	_____	_____	_____	_____	_____	_____
Inch	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
	-	Gallons	_____	_____	_____	_____	_____	_____
		Sub-Total		( _____ )	( _____ )	( _____ )	( _____ )	( _____ )
		TOTALS		( 0 )	( 0 )	( \$0 )	( 0 )	( 0 ) ( \$0 )

**MULTI-FAMILY AND APARTMENT USER ANALYSIS**

If billed as a typical user, the information should be included in the residential information above. If not billed as a typical residential user, please explain below.

<u>Name of Unit</u>	<u>Number of Units</u>	<u>Number of Meters</u>	<u>Revenue Calculations</u>
N/A	N/A	N/A	N/A
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

\* Breakdown of meter size usage is not required unless different water rates are charged based on size of water meter.

\*\* Number of users should reflect the actual number of "meter settings".

**XXVII. CURRENT OPERATING BUDGET - (SEWER SYSTEM)**  
*(As of the last full operating year or year ending June 30, 1997)*

**A. Operating Income:**

<i>Sewer Revenue</i>	<u>N/A</u>
<i>Late Charge Fees</i>	<u>N/A</u>
<i>Other (Describe)</i>	<u>N/A</u>
<i>Less Allowances and Deductions</i>	( <u>          </u> )
<i>Total Operating Income</i>	<u>N/A</u>

**B. Operation and Maintenance Expenses:**  
*(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)*

<i>Operation Expense</i>	<u>N/A</u>
<i>Maintenance Expense</i>	<u>N/A</u>
<i>Customer Accounts Expense</i>	<u>N/A</u>
<i>Administrative and General Expense</i>	<u>N/A</u>
<i>Total Operating and Maintenance Expenses</i>	<u>N/A</u>
<i>Net Operating Income</i>	<u>N/A</u>

**C. Non-Operating Income:**

<i>Interest on Deposits</i>	<u>N/A</u>
<i>Other (Identify)</i>	<u>N/A</u>
<i>Total Non-Operating Income</i>	<u>N/A</u>

**D. Net Income**

N/A

**E. Debt Repayment:**

<i>RUS Interest</i>	<u>N/A</u>
<i>RUS Principal</i>	<u>N/A</u>
<i>Non-RUS Interest</i>	<u>N/A</u>
<i>Non-RUS Principal</i>	<u>N/A</u>
<i>Total Debt Repayment</i>	<u>N/A</u>

**F. Balance Available for Coverage**

N/A

<b>XXVIII.</b>	<b>PROPOSED OPERATING BUDGET - (SEWER SYSTEM) - EXISTING SYSTEM AND NEW USERS (1st Full Year of Operation)</b>	<b>Year Ending</b>	<b>N/A</b>
<b>A.</b>	<b>Operating Income:</b>		
	Sewer Revenue		N/A
	Late Charge Fees		N/A
	Other (Describe)		N/A
	Less Allowances and Deductions	(	)
	Total Operating Income		N/A
<b>B.</b>	<b>Operation and Maintenance Expenses:</b> (Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)		
	Operation Expense		N/A
	Maintenance Expense		N/A
	Customer Accounts Expense		N/A
	Administrative and General Expense		N/A
	Total Operating and Maintenance Expenses		N/A
	Net Operating Income		N/A
<b>C.</b>	<b>Non-Operating Income:</b>		
	Interest on Deposits		N/A
	Other (Identify)		N/A
	Total Non-Operating Income		N/A
<b>D.</b>	<b>Net Income</b>		N/A
<b>E.</b>	<b>Debt Repayment:</b>		
	RUS Interest		N/A
	RUS Principal		N/A
	Non-RUS Interest		N/A
	Non-RUS Principal		N/A
	Total Debt Repayment		N/A
<b>F.</b>	<b>Balance Available for Coverage</b>		N/A

<b>XXIX.</b>	<b>PROPOSED OPERATING BUDGET - (SEWER SYSTEM) - NEW USERS - EXTENSION ONLY (1st Full Year of Operation)</b>	<b>Year Ending</b>	<b>N/A</b>
<b>A.</b>	<b>Operating Income:</b>		
	<b>Sewer Revenue</b>		<u>N/A</u>
	<b>Late Charge Fees</b>		<u>N/A</u>
	<b>Other (Describe)</b>		<u>N/A</u>
	<b>Less Allowances and Deductions</b>	(	)
	<b>Total Operating Income</b>		<u>N/A</u>
<b>B.</b>	<b>Operation and Maintenance Expenses:</b> <b>(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)</b>		
	<b>Operation Expense</b>		<u>N/A</u>
	<b>Maintenance Expense</b>		<u>N/A</u>
	<b>Customer Accounts Expense</b>		<u>N/A</u>
	<b>Administrative and General Expense</b>		<u>N/A</u>
	<b>Total Operating and Maintenance Expenses</b>		<u>N/A</u>
	<b>Net Operating Income</b>		<u>N/A</u>
<b>C.</b>	<b>Non-Operating Income:</b>		
	<b>Interest on Deposits</b>		<u>N/A</u>
	<b>Other (Identify)</b>		<u>N/A</u>
	<b>Total Non-Operating Income</b>		<u>N/A</u>
<b>D.</b>	<b>Net Income</b>		<u>N/A</u>
<b>E.</b>	<b>Debt Repayment:</b>		
	<b>RUS Interest</b>		<u>N/A</u>
	<b>RUS Principal</b>		<u>N/A</u>
	<b>Non-RUS Interest</b>		<u>N/A</u>
	<b>Non-RUS Principal</b>		<u>N/A</u>
	<b>Total Debt Repayment</b>		<u>N/A</u>
<b>F.</b>	<b>Balance Available for Coverage</b>		<u>N/A</u>

**XXX. CURRENT OPERATING BUDGET - (WATER SYSTEM)**

(for year ending June 30, 2005)

A.	Operating Income:	
	Water Sales	\$1,655,000
	Disconnect/Reconnect/Late Charge Fees	\$80,000
	Other - Wholesale and Cash Water Sales	\$573,000
	Less Allowances and Deductions	( N/A )
	Total Operating Income	<u>\$2,308,000</u>
B.	Operation and Maintenance Expenses:	
	Source of Supply & Pumping Expense	\$290,000
	Water Treatment Expense	\$310,000
	Transmission and Distribution Expense	\$470,000
	Customer Accounts Expense	\$260,000
	Administrative and General Expense	\$420,000
	Depreciation / Amortization (less principal pymt & funding of RUS depreciation reserve reqmt)	\$155,000
	Other - Taxes other than income	\$51,000
	Total Operating and Maintenance Expenses	<u>\$1,956,000</u>
	Net Operating Income	<u>\$352,000</u>
C.	Non-Operating Income:	
	Interest on Deposits	\$45,000
	Other - Contract Work and Misc.	\$100,000
	Miscellaneous	\$0
	Total Non-Operating Income	<u>\$145,000</u>
D.	Net Income	<u>\$497,000</u>
E.	Debt Repayment:	
	RUS Interest	\$80,551
	RUS Principal	\$27,500
	Non-RUS Interest	\$203,834
	Non-RUS Principal	\$290,400
	RUS depreciation reserve requirement	\$5,500
	Total Debt Repayment	<u>\$607,785</u>
F.	Balance Available for Coverage / Capital Outlay	(\$110,785)

**XXXI. PROPOSED OPERATING BUDGET - (WATER SYSTEM) - EXISTING SYSTEM AND NEW USERS**

(1st Full Year of Operation )

Year Ending

June 30, 2007

A.	Operating Income:	
	Water Sales	\$2,234,000
	Disconnect/Reconnect/Late Charge Fees	\$81,000
	Other (Wholesale Customers)	\$777,000
	Less Allowances and Deductions	( N/A )
	Total Operating Income	<u>\$3,092,000</u>
B.	Operation and Maintenance Expenses:	
	(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)	
	Source of Supply Expense	\$270,000
	Water Treatment Expense	\$330,000
	Transmission and Distribution Expense	\$471,000
	Customer Accounts Expense	\$270,000
	Administrative and General Expense	\$435,000
	Other - Taxes other than income	\$51,000
	Depreciation / Amortization (less principal pymt & funding of RUS depreciation reserve reqmt)	<u>\$139,000</u>
	Total Operating and Maintenance Expenses	<u>\$1,966,000</u>
	Net Operating Income	<u>\$1,126,000</u>
C.	Non-Operating Income:	
	Interest on Deposits	\$50,000
	Other - Contract Work and Misc.	<u>\$100,000</u>
	Total Non-Operating Income	<u>\$150,000</u>
D.	Net Income	\$1,276,000
E.	Debt Repayment:	
	Existing RUS Interest	\$78,053
	Existing RUS Principal	\$29,500
	Non-RUS Interest	\$190,077
	Non-RUS Principal	\$295,800
	Proposed RUS Interest	\$282,000
	Proposed RUS Principal	\$59,000
	Proposed \$1.6 Mil KRW Interest	\$77,600
	Proposed \$1.6 Mil KRW Principal	\$51,500
	RUS depreciation reserve requirement	<u>\$27,720</u>
	Total Debt Repayment	<u>\$1,091,250</u>
F.	Balance Available for Coverage	\$184,750

**XXXII. PROPOSED OPERATING BUDGET - (WATER SYSTEM) - NEW USERS - EXTENSION ONLY**

	(1st Full Year of Operation )	Year Ending	<u>N/A</u>
A.	Operating Income:		
	Water Sales		<u>N/A</u>
	Late Charge Fees		<u>N/A</u>
	Other (Describe)		<u>N/A</u>
	Less Allowances and Deductions		( <u>N/A</u> )
	Total Operating Income		<u>\$0</u>
B.	Operation and Maintenance Expenses:		<u>N/A</u>
	(Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)		
	Source of Supply Expense		<u>N/A</u>
	Pumping Expense		<u>N/A</u>
	Water Treatment Expense		<u>N/A</u>
	Transmission and Distribution Expense		<u>N/A</u>
	Customer Accounts Expense		<u>N/A</u>
	Administrative and General Expense		<u>N/A</u>
	Total Operating and Maintenance Expenses		<u>N/A</u>
	Net Operating Income		<u>N/A</u>
C.	Non-Operating Income:		
	Interest on Deposits		N/A
	Other (Identify)		N/A
	Total Non-Operating Income		N/A
D.	Net Income		<u>N/A</u>
E.	Debt Repayment:		
	RUS Interest		N/A
	RUS Principal		N/A
	Non-RUS Interest		N/A
	Non-RUS Principal		N/A
	Total Debt Repayment		N/A
F.	Balance Available for Coverage		<u>N/A</u>

**XXXIII. ESTIMATED PROJECT COST - SEWER**  
*(Round to nearest \$100)*

	<b>Collection</b>	<b>Treatment</b>	<b>Total</b>
<i>Development</i>	<i>N/A</i>		
<i>Land and Rights</i>			
<i>Legal</i>			
<i>Engineering</i>			
<i>Interest</i>			
<i>Contingencies</i>			
<i>Initial Operating and Maintenance</i>			
<i>Other</i>			
<b>TOTAL</b>			

**XXXIV. PROPOSED PROJECT FUNDING - SEWER**

	<b>Collection</b>	<b>Treatment</b>	<b>Total</b>
<i>Applicant - User Connection Fees</i>	<i>N/A</i>		
<i>Other Applicant Contribution</i>			
<i>RUS Loan</i>			
<i>RUS Grant</i>			
<i>ARC Grant (If applicable)</i>			
<i>CDBG (If applicable)</i>			
<i>Other (Specify)</i>			
<i>Other (Specify)</i>			

**XXXV. ESTIMATED PROJECT COST - WATER**

(Round to nearest \$100)

Development	<u>\$6,529,940</u>
Land and Rights	<u>\$0</u>
Legal & Administrative	<u>\$47,400</u>
Engineering	<u>\$444,560</u>
KRWA Administration Fees	<u>\$42,000</u>
Interest (during construction)	<u>\$100,000</u>
Contingencies	<u>\$391,060</u>
Initial Operating and Maintenance	<u>N/A</u>
Other (Inspection)	<u>\$201,040</u>
TOTAL	<u>\$7,756,000</u>

**XXXVI. PROPOSED PROJECT FUNDING**

Applicant - User Connection Fees	<u>\$0</u>
Other Applicant Contribution	<u>N/A</u>
RUS Loan	<u>\$5,000,000</u>
RUS Grant	<u>\$1,150,000</u>
ARC Grant (If applicable)	<u>N/A</u>
CDBG (If applicable)	<u>N/A</u>
Other (Kentucky Rural Water Finance Corporation)	<u>\$1,606,000</u>
Other (Specify)	<u>N/A</u>
TOTAL	<u>\$7,756,000</u>



ADDITIONS AND IMPROVEMENTS TO THE WATER TREATMENT PLANT  
AND WATER TRANSMISSION FACILITIES  
GREEN RIVER VALLEY WATER DISTRICT  
(WMS No. 02216 & 02217)

FINAL ENGINEERING REPORT  
July 8, 2004

A. Construction Cost Contracts A and B (Construction Contract as Bid) □	\$6,529,940.00
B. Other Project Cost	
1. Engineering	
a. Planning (Engineering Report)	\$5,000.00
b. Design and Construction Monitoring	\$439,560.00
c. Construction Inspection	\$201,040.00
2. Legal and Administration	\$89,400.00
3. Land, structural, right-of-way appraisals, etc.	\$0.00
4. Project Contingency Allowance	\$391,060.00
5. Interest (During construction)	\$100,000.00
5. Subtotal - Other Project Costs	<u>\$1,226,060.00</u>
C. Total Estimated Project Cost	\$7,756,000.00
D. Funding	
1. RUS Grant	\$1,150,000.00
2. RUS Loan	\$5,000,000.00
3. Kentucky Rural Water Finance Corporation	<u>\$1,606,000.00</u>
E. Total Funding	\$7,756,000.00



Sam L. McIlwain, P.E.  
Water Management Services, LLC  
Consulting Engineers

